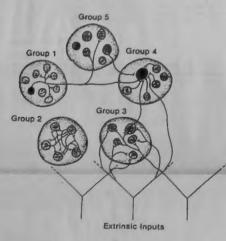


1 Desmitsi C

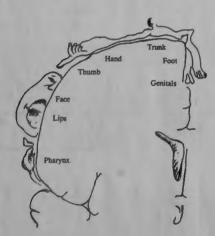
Changeux, Jean-Pierre, Neuronal Man: The Biology of Mind (Princeton, New Jerosy, Princeton Universities, 1997), 267



2. Neural Darwinson

This is a schematic diagram of the properties of neuronal groups and their opinectivities. Here, the point is uniply to illustrate some expects of intrinsic (with integral and markers (among groups of between those and to connectivities, "two groups are stoom with some of their cells indicated." Each group

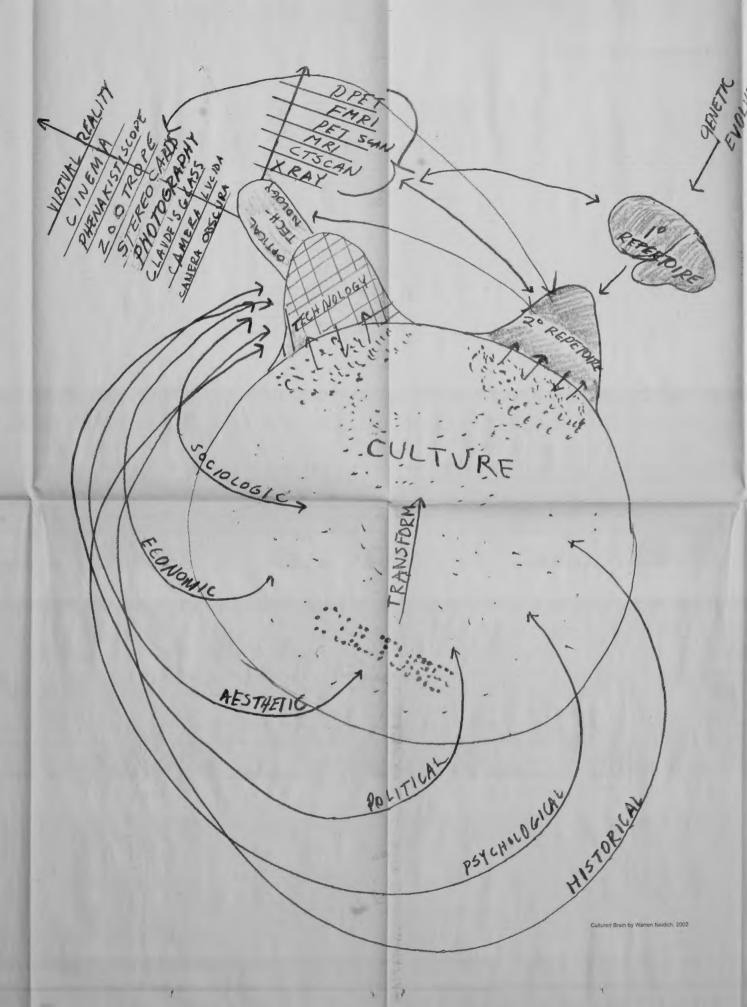
Edelman, Gerald M., The Remembered Present: A Biological Theory of Consciousness (New York, Basic Books Inc., 1989), 47



3. Penfield Homuncu

The Perilial Homanickii graphically contents sometic regions with areas of the storest-sensory cortein responsible for their sensory energation. Representation of body regions are distorted by proportion to the denish of contra deviated to merivation (i.e. lips are disproportionally large relative to a normally per patiented framinishis, as a larger proportion of cottool neurons receive information from the lips than from other parts of the body).

Pamochardzan V.S., "Phanton Linita Herject Syndromes, Repressed Memories, and Freuda Psychology" in Selectionism and the Brien, ed. Sporns, Olaf and Tonori, Giolio (San Diego, CA Arabierio, Grass (en. 1604), 1964.

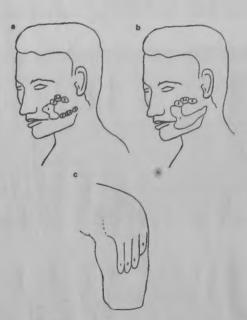


Remapping Warren Neidich

September 14 - October 13, 2002

opening reception: Saturday, September 14, 6-8 p.m.

Storefront for Art and Architecture 97 Kenmare Street, New York, NY 10012



4 Reference Field

(a) Distribution of reference feels in a patient. Notice the prominent represent ason of the fluids (1), which we have seen in overnel judicities, and the roughly lopographic arrange event of digits 2.2.4 and 5 into face. This judicities are nearly decrease 24 hours bank for distribly discribed in the representation of the same of the digits had changed individually (b). (c) the second way in the expost of the detail mission

Ramachandran, V.S., "Pharmor Limba, Neplect Syndromes, Represent Microbines, and Fre Psychology" is Selectionism and the Brisis est. Spirma, Claf and School. Guillo (Sen Diego, Academic Presis Inc. 1994), 1991.

Mirror, Mirror on the Wall

In his piece Re-mapping, the artist Warren Neidich In his piece Re-mapping, the artist Warren Neidich observed and photographed the reflection of a Los Angeles street off the tilted glass façade of an office building. On this mirrored skin he has discovered a transformation of Renaissance perspective. Our gaze is directed through a Cartesian grid toward a new vertigo-charged, somewhat Baroque, multi-focal space. An ophthalmologist by training, Warren Neidich has consensed the other of processors with the street processors. remapped the city of angels.

His subject matter appears to be the banal urban realm; sidewalks, cars, trees and pedestrians. Yet, all is not what it seems. The image is read not as a reflection but as a transparency, a long horizontal window through which we look out onto a distorted street scene. But the slight distortions of cars and pedestri ans seem normal.

The image is iconic like a flag. Passing cars reflected on the surface animate the grid's flat plane and we find ourselves playing an elaborate board game; one that confuses the inside and the outside, as well as our sense of optical re-cognition.

takes this optical discovery one step further toward the realm of architecture. Nedich applied a mirrored surface to the Storefront's vertically proting doors. Not intended for passage, these doors have a more metaphysical function. They become an accidental instrument, for not only do they transform the option and the social, they dissolve the public and the private. In the act of being viewed, they become a social condenser whereby each observer is at once a part of the image as well as its director and editor,

Neidich believes that the human brain evolves from a reductor believes into the forman of an enrollers from a deep structure that is continuously modified by experi-ence. This re-mapping of the brain is how culture is transmitted, through changes in the configuration of our neutral patterns. By focusing on the reflected image, Neidlich includes the entire world, the seen and the

As in Borges's poem Everness, the mirror registers all

Everything is there. The thousand reflections that between dawn and twilight your face has left behind in many mirrors and those faces it has yet to leave.

And everything is part of that diverse.

And mirronng memory, the universe: There is no end to its exigent corndors

And the doors that close behind you as you pass

The mirror as infinity, the mirror as a perfect me these Borgesian metaphors come to mind in Neidich's technological mirror

Remapping: Three Ideas

Remapping: A Neurobiologic Definition

Remapping, as defined in neurobiology is the process by which one area of the brain takes over the function of an adjacent area that is either damaged or tacks sensory input. For example, after the loss of a leg or foot, the area of the brain that had received those sensory inputs is now deprive of direct physical stimulation. That particular area of the somato-sensory cortex which receives sensations of touch from the skin of the leg and foot, happens to be adjacent to the region, that receives input from the genital and anal regions, in figure 3 (see overleag), which depicts what is called the Penfield Homunoulus, one can see these spatial relations clearly. For instance, the tongue and fingers are remined romaniculus, one can see these spatial rela-tions clearly. For instance, the tongue and fingers are very well represented considering the small areas from which they send their inputs while the back is hardly represented at all. In certain phantom limb cases, in which an individual whose leg or arm has been amoutated still feels sensation from that absent area, the individual will actually "feel" his beet and foot during individual will actually "feel" his heet and foot during sexual intercourse and/or defeation. (Figure 4, see overleaf, shows a hand remapped onto the maxillary area of the face.) Through a kind of cross wring, the remapped area makes its presence known in the wrong neurophysiological context. Whether this is caused by sprouting new neurons or unmasking previously inhibit-ed ones is not known. We do know from the work of Mezzenich and Kaas that the reorganization of sensory cathways can lake allose up to pershape 1 on. This pathways can take place up to perhaps 1 cm. This implies quite a large degree of neuroplasticity. (1)

Superimposed on this anatomical physical plasticity is Superimposed on this anatomical physical plasticity is another explanation, which reflects the train is ability to reconfigure its inputs and outputs to be sure, the foot and leg have non-physical immaterial functions as well. For example, losing a leg does not put an end to dreams of running. Remapping may have a broader definition that relates to redistribution of neural relations through changed routes of neural connectedness or through changed routes of neural connectedness or reentiant temporal relations. By means of neurophysiological processes remapping sustains the functionarity of many neural networks such as the foot and leg. After a foot is amputated sensory stimulation coming from it is terminated. However, there are thousands if not millions of memones or memory fragments of its past sensonal effect distributed throughout the nervous system. The non-physical facets of foot, leg and neel are woven into a network of other immaterial relations such as feelings and emotions that in the end, together with their physical mnemonic counterparts form extremely complex narratives. For instance we are all familiar with the way the heel of a shoe or a sits stocking can play symbolic roles in a meta-narrative in which ing can play symbolic roles in a meta-narative in which these objects are substituted for the female genitalia. Ramachandran has suggested that remapping could provide a neurobiological explanation or counterpart to the psychoanalytic narrative as an explanation of the

Remapping The Aesthetic Definition

My concept has two stages, the remapping of cinema into architecture, and the subsequent construction of the post-modern observer. In my photographic series

Remapping, the metaphor of cinema being remarried onto architecture is extensive. Frames or pictures of a building at 8737 Beverly Boulevard in Los Angeles. building at 8737 Beverly Boulevard in Los Angeles, California have been digitally sewn together into a seamless image. The factive building which results exists, solely as the result of this compount of real subunits into a factive whole. The process is analogous to the entineg and splicing techniques of filmmaking, in fact, the building takes on the character of the film strip, identified by a time code (8737), as elements and figures within the reflection reappear in a repetitive. Frame-like sequence, Here, mitiple paramive constructions include the overflow of elements from one section into the next, an overflow specifically redevant to the switch from analog to digital modes of editing and filmmaking. This technological leap from analog to digital modes, has spawned digital cognitive models, reflecting in turn a paradigmatic shift from linear thinking to parallel processing.

The building as a fictional construction mirrors film and its multiple namalive structures: the allusion to criematic fiction is reinforced by the projection of elements onto the screen/inforr that comprises the skin of the building. The fictive building exists purely for the sake of the virtual image. The confinuous flow of the "real" unfuring at street level is continuously inflected by the building at steet level is continuously inflected by the building is stell in a grand criematic gesture. The building, in other words, also acts as an optical device, projecting back images into the retinas and brains of passers-by, who are brought into the line of action. This transition from the building to the retina marks the final step of the remapping process.

Lam proposing the notion that we are been in the presence of a mulation in that apace itself. We ourselves, the function of amulation in that apace itself. We ourselves, the function solutions are yet no engovered mulation in the subject has followed the mulation in the object. We do not yet possess the perceptual resignment to match the new forgonization at Lotal 8, in part because our perceptual reliefs were formed in the older space of high modernium. There is therefore a biological imperative to grow new organs, to organize four seprofum, in the face of our new architectural and cultural habitat. Firethic Jameson (3)

The twentieth century was the century of pholography, film and most eccently, virtual reality and computer generated environments. Pholography and thin are consignessent in the urban landscape. Anyone visiting Times Square in New York City cannot but be arriazed at the transformation of the budding skins into an over-morphing, mutating cinematic display field made up of vast pholo-calligage bibliosoris and digipal video screens. This cinematic field and now the virtual field, produced as they are by an array of image-generating technologias, has altered the world of real relations and cemapped itself upon the urban landscape. This turn of events is just the latest manifestation of a genealogy of such interdisciplinary mappings that have come to define contemporary life indeed our understanding of neutral networks increasingly reflects the cinematic and virtual nature of our world. The twentieth century was the century of pholography

Through a process referred to as "resurroral group selective, proposed by the recordigist Garald Edelms, the genetically inherited set of neural retworks as an born with-the primary repertoirs as repetitively illinulated by objects from the external world. This resulted stimulation confers selective networkingers figure 1 see overleady for this way those that are shimulated owel and those that are not in the competition for ingue 1 see overlead in the way those that are aliminated cowd out those that are not in the competition for results (soc.) creating what is called the secondary repetitive. (Igure 2, see overleaf) as cinema and new model (secome more and more prevalent and recurrent to the constitution of the valual facilities provided in the valual facilities and facilities are person up attended to the form those cinemate and virtual phatic stimuli change temporal and statist relations. For example the use of montage double exposure and the characteristics of transparancy invested in common become appearing posed onto architectural structures, as well as becoming models for the ordigination of space on a computer screen. These and other new concepts of space and time become this template upon which the brain, and participate and other new concepts of space and time become this template upon which the brain, and participate and other new concepts of space and time become this template upon which the brain, and participate and other new concepts of space and time becoming of the twentileth continy observor is now endigined. Processes like resurty, which already exists as a way of temporally linking disparate areas of the boxy such as the visual cortex and motor cottes, may be reconfigured and readquisted to reflect novel compart strategies that link stimuli in the world convected through care make the structure of the second convected through care make the structure.

Therefore, the modernist observer cannot understand the participant object—I is beyond the ability of a nervicus system sculpted by modernist spatial and temporary

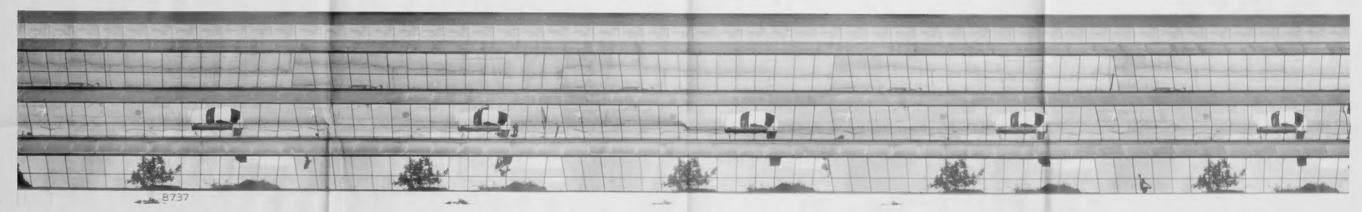
paradigins to perceive and comprehend it adequately. That full appreciation must wait for a future generation of observer generations whose neurological structure has been sculpted by contemporary culture (see strawing, The Colleged Brain, overleaf). This is the trun meaning of the technologic subjects. Only with the maintaint brain can the post modern object be understood. In the twestells century, it is the object formed on the screen and moving therein as an invalided presence almost an apparation, that forms the objects and their rotationality in the vestual landscape that fine-tunes the post modern observer.

Mezemich M.M. and Kami, J.B. "Reorganization of Mammulian Somalosemsory Cortex Following Peripheral Nerve Injury". Trends Neuroscience 5:434

Z. Phantom Limbs, Neglect Syndromes, Repressed Memorins, and Fraudian Psychology V.S. Ramachardmin, in *Selectionism and the Brain*, ed. Olaf Sporns and Galillo Tonon, Academic Press, 1994.

3 Postmodernism or The Cultural Logic of Late Capitalism Fredric Jameson Duke University, 1990.

Photography, Casersa and the Brain" with an introduc-tion by Norman Brysen will be published in the fall of 2003 by OAP and the California Museum of Photography in conjunction with the Ford Foundation.



8737 -madde

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